

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/GB2004/003143

## A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 G01N33/487 C12Q1/00

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 G01N C12Q

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5 352 351 A (PARKS ROBERT A ET AL) 4 October 1994 (1994-10-04)  column 2, lines 52-59 column 3, lines 46-62 column 5, lines 42-57	1-4,7,8, 10,12, 14,16,17
Y	column 6, line 4 - column 9, line 20 ----- -/--	5,6

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"&" document member of the same patent family

Date of the actual completion of the international search

28 October 2004

Date of mailing of the international search report

12 Oct. 2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Y	IWUOHA E I ET AL: "DRUG METABOLISM BIOSENSORS: ELECTROCHEMICAL REACTIVITIES OF CYTOCHROME P450CAM IMMOBILISED IN SYNTHETIC VESICULAR SYSTEMS" JOURNAL OF PHARMACEUTICAL AND BIOMEDICAL ANALYSIS, NEW YORK, NY, US, vol. 17, no. 6/7, 1998, pages 1101-1110, XP000874063 ISSN: 0731-7085 page 1101, paragraphs 1., INTRODUCTION - page 1102 -----	5,6
Y	WO 00/22158 A (ABBOTT ANDREW ; CULLIS PAUL (GB); AHMED FARJAD (GB); ROBERTS GORDON (G) 20 April 2000 (2000-04-20) the whole document -----	5,6
A	US 4 420 564 A (TSUJI NOBUHIKO ET AL) 13 December 1983 (1983-12-13) the whole document -----	1-17
A	GB 2 204 408 A (PLESSEY CO PLC) 9 November 1988 (1988-11-09) the whole document -----	1-17

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## Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:  
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-17

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. claims: 1-17

Method and apparatus for detecting adverse conditions during the analysis, comprising particular substrate, enzyme, or flow.

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2. claims: 18-30

Method and apparatus for detecting adverse conditions during the analysis, comprising optical detection of the presence of analytes

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# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No

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Patent document cited in search report		Publication date	Patent family member(s)	Publication date
US 5352351	A	04-10-1994	AU 6832594 A	03-01-1995
			CA 2153877 A1	22-12-1994
			CA 2175501 A1	09-12-1994
			DE 9422380 U1	14-12-2000
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			EP 0702788 A1	27-03-1996
			ES 2153334 T1	01-03-2001
			JP 2800981 B2	21-09-1998
			JP 8502589 T	19-03-1996
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			EP 1119636 A1	01-08-2001
			WO 0022158 A1	20-04-2000
			US 6492132 B1	10-12-2002
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			JP 57087608 A	01-06-1982
			JP 57097452 A	17-06-1982
			JP 57097418 A	17-06-1982
			JP 57097434 A	17-06-1982
			JP 57097435 A	17-06-1982
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GB 2204408	A	09-11-1988	NONE	